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(54) Composite reinforced electrical transmission conductor

(57) A composite reinforced electrical transmission conductor cable primarily designed for transmission of electrical signals, such as data signals, telephone signals of any frequency and electrical power of essentially any voltage. A fiber optic cable may also be carried by the core in a preferred embodiment. A splicing arrangement for securing the ends of the cable together is also provided. The cable is comprised of a reinforced plastic composite component which serves as a load bearing component and an electrically conductive component

which serves for transmission of the electrical signals carried by the cable. In a preferred embodiment, the cable is comprised of a reinforced plastic composite outer load carrying sheath along with an inner highly electrically conductive core. In this way, the sheath provides the necessary strength and the inner core provides for transmission of the electrical signals. In still further embodiments, strips of reinforced plastic composite can be embedded in an electrically conductive cylindrically shaped cable material.

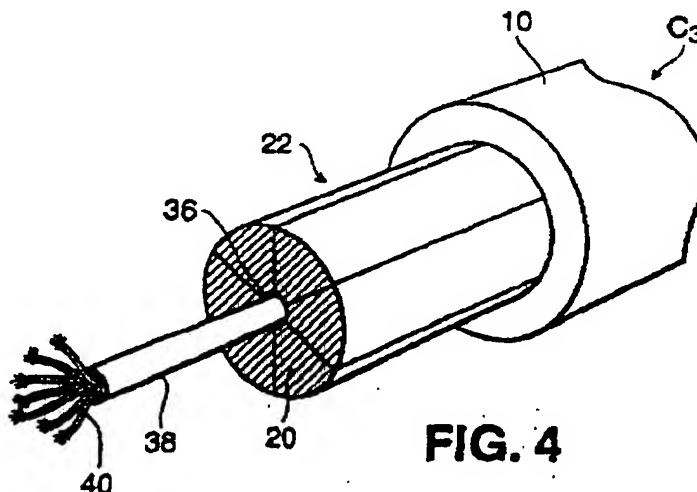


FIG. 4

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EUROPEAN SEARCH REPORT

Application Number

EP 01 11 5164

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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 15 November 2002	Examiner Demolder, J
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
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